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Missouri Waste Diversion Status Report

Introduction

The Department of Natural Resources' Solid Waste Management Program tracks the amount of waste Missouri diverts from landfills. Since 1990 a significant increase in the amount of diverted waste has been observed. This report will discuss the progress Missourians have made in diverting waste from landfills through the course of more than a decade.

Background

Along with reporting on annual waste diversion and recycling progress, past reports have focused on providing information regarding development of a reliable methodology for determining estimates of annual waste generation in Missouri. The annual waste generation rate is the basis for determining the diversion and recycling estimates for the state. The department believes that its methods for estimating total generation, diversion and recycling rates are based on sound principle. Using these methods, the waste diversion estimates for calendar years 1990 through 2001 have been developed ([see Table 1](#)).

When the *Missouri Solid Waste Composition Study*, conducted by the Midwest Assistance Program, was completed in 1999 it indicated that approximately 59.6 percent of the waste stream was composed of Municipal Solid Waste (MSW). MSW is waste that is generated by households, institutions such as schools, office buildings, correctional facilities etc. and small business' such as restaurants and retail stores. The remainder of the waste stream consisted of construction and demolition waste (19 percent), industrial waste (12 percent) and other wastes (10 percent).

The study also provided statewide estimates for types of materials found in Missouri landfills. These estimates were essential for determining the MSW recycling rates for different types of materials. See [Figure 1](#) for estimated MSW recycling tonnage rates for calendar years 1998 through 2001. The Solid Waste Management Program has estimated that for the calendar years 1998 through 2001, Missouri recycled a total of 9,020,234 tons of municipal solid waste.

One of the aspects of tracking waste in Missouri is assessing a *per capita* rate. Simply stated, *per capita* is a way to equally distribute or attribute something to each individual of a population. For solid waste management in Missouri, waste generation, disposal and diversion have all been tracked at a daily *per capita* rate in pounds ([see Figure 2](#)). [Figure 3](#) shows the annual *per capita* rate in tons. It should be noted that waste generation estimates consider all waste that is disposed of in Missouri's sanitary and demolition landfills as well as waste that goes to other states through Missouri's transfer stations. This means that when assessing a *per capita* rate for waste generation each individual is assessed an amount for all solid waste that is generated in Missouri.

Discussion

Over an eleven-year period the *per capita* disposal has decreased from 1.33 tons per person per year to 1.11 tons per person per year rate. The lowest point during this period occurred in calendar year 1996 with a 1 ton per person per year disposal rate. The increase shown between 1996 and 2000 is attributed to a robust economy that provided an increase in personal



consumption expenditures whereby per capita generation increased.

Per capita disposal may be used as a measurement to determine the success of information and education programs. When per capita disposal declines, the belief is that there may be less waste generation or that there has been an increase in waste reduction, reuse, recycling and composting activities. In general these activities require behavioral changes on the part of the public, albeit some decrease in generation is due to decreases in packaging at the manufacturer such as thinner aluminum cans and lighter packaging. For the most part it is individuals who make a conscious effort to purchase products with less packaging or with recycled content, place recyclable materials in a recycling bin instead of the trash can or to actively compost yard waste. These activities are behaviors that have a basis starting with an educational or informational program that addresses the issue and prescribes a direction for change to occur.

[Table 2](#) compares Missouri's calendar year 2000 waste disposal and alternative methods to the eight states that border Missouri. The information in the table was determined using data provided from the December 2001 issue of *BioCycle* magazine.

Missouri's data includes tonnage from residential, commercial, institutional, construction, demolition and industrial waste streams. This waste is disposed of in Missouri's sanitary landfills, demolition landfills, or in landfills located out-of-state. The data from the bordering states may not include all of the waste streams that are represented in Missouri's data. Also, it is unclear whether the data from bordering states includes out-of-state waste disposal. In our experience, each state chooses its own method of calculating these figures; consequently they are not easily comparable.

While Missouri shows the highest per capita disposal rate of the nine states, its per capita recycling rate is significantly higher than that of the other states. It is thought that the increased per capita recycling rate partly is a result of a decade of reliable technical and financial assistance along with sound state and local planning that included educational activities that encouraged good solid waste management practices.

The traditional recyclable materials are also those materials falling under the MSW category that are typically consumed by and recycled by the general citizenship of Missouri, i.e. aluminum cans, plastic pop bottles and milk jugs, paper and steel cans. It is important to understand that there has been an increase in infrastructure development for collecting these types of recyclables. Focusing on diverting from landfills non-MSW materials could have the benefit of reducing the per capita disposal rate.

Since 1992 the department has worked with Missouri's twenty solid waste management districts. These districts are provided funding to develop and implement local solid waste management plans. During that time, the number of communities in Missouri that have recycling collection services has increased from 154 in 1992 to 403 in 2000 ([Figure 4](#)). Yard waste collection services have also increased from 194 in 1992 to 311 in 2000 ([Figure 5](#)). A significant number of the services were provided directly through the efforts of the local solid waste management district's efforts through local grants and educational initiatives.

Funding solid waste activities encourages good solid waste management practices at all governmental levels and in the private sector, promotes the involvement of Missouri's twenty solid waste management districts in resolving regional and statewide solid waste problems, mitigates illegal dumping and educates the public about better disposal alternative. It is well known that convenient and economical recycling opportunities are key to public acceptance and participation in these programs.

Appropriate management of solid waste is needed and requires a variety of strategies including communicating what can be placed in a landfill and providing financial mechanisms to implement alternatives to landfills. This is accomplished through technical and financial assistance, encouraging waste reduction, reuse, recycling, energy recovery and improved processing and proper disposal.

Improper processing or disposal of solid waste can cause health and environmental problems such as ground and surface water pollution, air pollution and the transmission of disease. Without the regulation of solid waste disposal facilities and oversight of the implementation of local and

regional solid waste management plans places the state's citizens, property and natural resources at risk. Overall, in the big scheme of things, Missouri is doing well with estimated waste diversion and MSW recycling rates at 41 percent.

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Summary of Missouri Waste Generation, Disposal and Diversion

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Population	5,117,073	5,157,507	5,193,872	5,237,867	5,281,280	5,226,784	5,358,692	5,402,058	5,438,559	5,468,338	5,595,211	5,629,719
Missouri Solid Waste Generation (tons)	7,540,000	7,623,009	7,844,367	8,107,229	8,411,596	8,563,780	8,771,303	9,048,000	9,227,853	9,559,890	10,288,232	10,607,167
Solid Waste Disposal in Missouri Landfills (tons)	5,400,000	5,269,846	4,751,816	4,731,633	4,075,174	4,124,753	3,640,337	4,118,739	4,464,357	4,570,496	4,759,493	4,960,600
Solid Waste Imported From Other States (tons)	Data not available	Data not available	Data not available	Data not available	Data not available	171,043	65,210	159,209	143,358	175,275	183,032	178,032
Solid Waste Disposed of in Missouri Landfills (tons)	5,400,000	5,269,846	4,751,816	4,731,633	4,075,174	3,953,710	3,575,127	3,959,530	4,320,999	4,395,221	4,576,451	4,782,568
Solid Waste Exported by Missouri to Other States (tons)	1,400,000	Data not available	Data not available	Data not available	Data not available	1,750,515	1,755,606	1,569,033	1,551,417	1,751,690	1,792,753	1,439,834
Solid Waste Disposed by Missouri (tons)	6,800,000	5,269,846	4,751,816	4,731,633	4,075,174	5,704,225	5,330,733	5,528,563	5,872,416	6,146,911	6,369,204	6,222,402
Waste Reduction, Recycling and Composting (tons)	740,000	1,180,614	2,046,723	2,483,566	2,559,503	2,862,555	3,440,570	3,519,427	3,355,437	3,412,979	3,919,028	4,384,765

Percent Waste Diversion	10%	15%	26%	31%	30%	33%	39%	39%	36%	36%	38%	41%
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Available Publications



Feel free to visit our [Department publications](#) page to order any of the following publications not available here. For local information contact your [Solid Waste Management District](#).

[Development On or Near Former Landfill Sites](#), Fact Sheet, PUB2182 (06/06) [PDF](#)

[Managing Solid Waste Encountered During Excavation Activities](#), Fact Sheet, PUB2192 (12/06) [PDF](#)

[Missouri Solid Waste Transfer Stations](#), Fact Sheet, PUB2152 (06/06) [PDF](#)

[Standards for the Use of Tire Chips in On-Site Wastewater Treatment Systems](#), Fact Sheet, PUB2205 (03/07) [PDF](#)

[Missouri Policy on Resource Recovery](#)

Information sheet featuring Missouri's goals on resource recovery. Objectives are identified for state and local governments to implement the policy.

Fact Sheets

[Proper Disposal of Household Pharmaceutical Waste](#), Brochure, PUB2291 (11/08) [PDF](#)

[Beneficial Use of Petroleum Contaminated Soil](#), PUB2177 (01/06) [PDF](#)

This technical bulletin provides information about the terms and conditions of beneficial use of petroleum contaminated soil (PCS) as fill material.

[Collection, Handling and Reporting Procedures for Groundwater Samples](#), Fact Sheet, PUB181 (01/07) [PDF](#)

This technical bulletin gives guidance for sampling methodology, field log books, surface water monitoring, monitoring wells, static groundwater level, total well depth and total well volume, monitoring well purging, bailer purging, pump purging, sample collection, sample handling, sample documentation and chain-of-custody, collection of equipment blanks, collection of trip blanks, equipment cleaning quality control and reporting.

[Dock Foam Issue Still Afloat](#), Fact Sheet, PUB2041 (06/06) [PDF](#)

This fact sheet provides information on the dock foam recycling issue.

[Guidance for Conducting and Reporting Detailed Geologic and Hydrologic Investigations at a Proposed Solid-Waste Disposal Area](#)

This document provides guidance for conducting an acceptable detailed geologic and hydrologic investigation of a proposed solid waste disposal area.

[Management of Infectious Waste by Small Quantity Generators](#), Fact Sheet, PUB188 (10/07) [PDF](#)

This document provides information concerning the management of infectious waste by those generating small quantities of this waste in Missouri.

[Management of Seed-cleaning Wastes](#), Fact Sheet, PUB189 (01/07) [PDF](#)

This fact sheet addresses management alternatives and regulatory requirements for wastes generated in cleaning and processing crops such as fescue, rice, wheat, corn, soybeans and cotton.

[Special Waste](#), Fact Sheet, PUB2050 (01/07) [PDF](#)

This technical bulletin provides guidance for disposal of special waste at sanitary landfills. It does not fully document other clean up or disposal options, though it touches briefly on the disposal of special waste at other types of landfills. [Special Waste Form](#)

[Construction and Demolition Waste Guidance](#), Fact Sheet, PUB2242 (02/08) [PDF](#)

This technical bulletin is provided primarily for construction and demolition (C and D) contractors, C and D Waste haulers, roofing contractors, remodeling businesses, homebuilders and homeowners.

[Managing Construction and Demolition Waste](#), Fact Sheet--PUB2045 (10/08) [PDF](#)

[Management of Scrap Tires](#), Fact Sheet, PUB2056 (03/08) [PDF](#)

This document is intended to provide general information concerning the management of scrap tires.

[Scrap Tire Monthly Summary Tracking Form](#) (04/97) [PDF](#)

This form is intended for tracking scrap tires at a collection center.

[Response To Tire Fires](#) (10/03) [PDF](#)

This document provides guidance and information to the Missouri Department of Natural Resources staff and local fire departments regarding response to tire fires.

[Procedures for Sampling Landfill Gas Inside Buildings](#), Fact Sheet, PUB2052 (06/06) [PDF](#)

This document was prepared by the Missouri Department of Natural Resources' Solid Waste Management Program to provide guidance in how to properly sample for landfill gases in enclosed spaces.

[Sampling of Landfill Gas Monitoring Wells](#), Fact Sheet, PUB2053 (06/06) [PDF](#)

This document was prepared by the Missouri Department of Natural Resources' Solid Waste Management Program to provide guidance regarding the quarterly sampling of gas monitoring wells.

[Design and Construction of Landfill Gas Monitoring Wells](#), Fact Sheet, PUB2054 (01/07) [PDF](#)

This document was prepared by the Missouri Department of Natural Resources' Solid Waste Management Program to provide guidance for the proper design and construction of gas monitoring wells to comply with the quarterly monitoring.

[Prohibition of Major Appliance Disposal in Landfills](#), Fact Sheet, PUB929 (02/08) [PDF](#)

Describes recommended disposal method of appliances and how a collection center should operate and applicable definitions.

[Prohibition of Yard Waste in Landfills and Composting Facility Guidelines](#), Fact Sheet, PUB927 (06/06) [PDF](#)

This technical bulletin contains information on yard waste banned from landfills, permitting requirements for centralized yard waste composting facilities and site selection guidelines for centralized yard waste composting facilities.

[Using Painted Block and Brick as Clean Fill](#) (01/03) [PDF](#)

Waste Reduction

Model Plan Guidelines for Comprehensive Solid Waste Management

599 page three-ring binder

To assist districts, counties and cities in planning, designing and implementing integrated solid waste management systems in order to minimize the amount of solid waste generated for disposal, reduce environmental and public health threats, increase the manufacture and use of products made from recycled materials and preserve our natural resources.

[Waste Reduction Tips for Businesses](#), Fact Sheet, PUB209 (06/06) [PDF](#)

This fact sheet lists ideas to reduce business waste disposed of in landfills.

[Waste Reduction Tips for Households](#), Fact Sheet, PUB200 (06/06) [PDF](#)

This fact sheet lists ideas to reduce household waste disposed of in landfills.

Recycling

[Reuse, Reduce, Recycle Tips For The Christmas Holiday Season](#) (07/03)

Christmas has traditionally been a season for giving. However, few gift recipients would welcome a gift of trash, food scraps or old tires. Careful consideration during the purchase of gifts will reduce the amount of useless packaging material, unusable product or senseless do- dads that end up in the wastebasket before Christmas day is over. This publication list some suggestions on how we can do our part in the waste reduction effort.

[Managing Recovered Materials](#), Fact Sheet, PUB2049 (05/08) [PDF](#)

This fact sheet is for anyone planning to recover materials from solid waste for sale, reuse or recycling. The Missouri Department of Natural Resources strongly supports resource conservation. Recovering materials that would otherwise be disposed of as waste is one way to conserve resources.

[Missouri Buys Recycled](#)

Recycling/waste reduction activities within the state.

[Missouri Uses More Recycled Paper](#)

Information about Missouri's goals for recycled-content newsprint over the years.

[Missouri Takes Trash Seriously: Recycling Economics: Higher Costs are an Illusion](#), Brochure, PUB628

One page tri-fold brochure explains why recycling is economical due to hidden costs, depletion costs, environmental costs and energy savings.

[State Agency Policy for Recycling and Waste Reduction](#)

Booklet

Pursuant to 34.032 paragraph five RSMo. each department and state agency shall develop in cooperation with the Office of Administration and implement a policy for recycling and waste reduction.

[The Three R's: Reduce, Reuse, and Recycle](#), Fact Sheet, PUB207 (06/06) [PDF](#)

Brochure includes tips on reducing waste and conserving resources.

[Total Recycling System](#), Fact Sheet, PUB208 (06/06) [PDF](#)

This fact sheet explains the total recycling loop.

[Computers/Electronics Recycling Lists](#)

This page consist of companies that take used computers/electronics equipment and recycle/reuse the equipment to keep it from going into landfills.

[Cell Phone Recycling](#), Fact Sheet, PUB2282 (08/08) [PDF](#)

[Recycled Bluebird House](#), Information Sheet, PUB2048 (05/99) [PDF](#)

[Recycling Drop-off Collection Services in Missouri Communities](#) [PDF](#)

Composting and Worms

[Circle Compost Bin](#), Fact Sheet, PUB1085 (06/06) [PDF](#)

Compost Bin Design - Instructions on building a simple compost bin, Fact Sheet No.2, 12/97

[Homeowners' Composting Guide, How to Manage Yard Waste](#)

Missouri Department of Natural Resources composting information: definition, benefits, material, uses and what to do with home yard waste such as don't bag grass clippings, mulch, compost and community facilities.

[Wood and Wire Cage-Type Composting Bin](#), Fact Sheet, PUB213 (06/06) [PDF](#)

Fact sheet instructions on building a portable compost bin.

[Wood and Wire Stationary 3-Bin System](#), Fact Sheet, PUB214 (06/06) [PDF](#)

Fact sheet instructions on building a 3-bin system where compost piles are "turned" in order to aerate them, mix the materials and achieve quick decomposition.

[Worm Composting Bin](#), Fact Sheet, PUB215 (06/06) [PDF](#)

Fact sheet instructions on building a worm compost bin and how to maintain it. Questions and answers about keeping earthworms in bins. Also a list of worm growers who sell worms to worm bin owners.

[Quart Jar Worm Farm](#), Fact Sheet, PUB2188 (06/06) [PDF](#)

Instructions for making a worm farm in a quart jar.

[Worm Wrangling In Missouri](#)

A cowboy without a heard of cattle finds a new life as a worm wrangler for a herd of worms. The worms eat food waste that can become soil, that can grow grass, that can feed cattle - and the cowboy lives on.

[Christmas Tree Disposal](#), Fact Sheet, PUB184 (06/06) [PDF](#)

When Christmas is over how can you dispose of your tree that can help the environment.

Market Development

[Buying Recycled Products: Consuming Wisely](#), Fact Sheet, PUB179 (07/06) [PDF](#)

One page tri-fold brochure on how to make recycling work at home, at work and in the community.

Landfilling

[Calendar Year Tonnage Fees](#)

[Suggestions for Improving Public Participation in Community Involvement Activities](#), Booklet, PUB2089 (10/00) [PDF](#)

In 1999 Missouri Legislature established RSMo 260.205 to allow improved public participation in landfill siting. This manual offers suggestions as to how the intent of this new law might be met. (22 pages)

[What To Do With Items Banned From Landfills](#), Fact Sheet, PUB186 (02/08) [PDF](#)

In order to conserve landfill space, promote recycling and reduce the chance of environmental contamination, lead-acid batteries, major appliances, waste tires and waste oil have been banned from Missouri landfills.

[Landfill Closure Guidance](#), Fact Sheet, PUB187 (06/06) [PDF](#)

This fact sheet provides assistance to landfill owners, operators and engineers in obtaining closure approval from DNR.

[Preparing Solid Waste Disposal Area Closure and Post-Closure Plans](#), Fact Sheet, PUB195

(06/06) [PDF](#)

This fact sheet provides assistance to help landfill owners prepare closure and post-closure plans. The following are forms that may be used with the Closure and Post-Closure worksheets:

[Closure and Post-Closure Cost Worksheet](#) [Fill-In](#) [PDF](#)
[Form A - Active Gas System Worksheet](#) [Fill-In](#) [PDF](#)
[Form B - Passive Gas System worksheet](#) [Fill-In](#) [PDF](#)
[Table 1 - Cover Systems construction and Repair Costs](#) [PDF](#)

[Research Project](#)

On April 6, 1994, the Solid Waste Management Program received a \$1.75 million grant from the United States Environmental Protection Agency to study the effects of the heavy precipitation patterns that occurred during the Great Flood of 1993 on Missouri's landfills.

[Railroad Ties and Utility Poles](#), Fact Sheet, PUB196 (10/07) [PDF](#)

Enforcement

[Local Environmental Enforcement Program and County Litter Control Officer Program](#) (08/03)

Information on combating illegal dumping at a local level. [Online Illegal Dumping Form](#)

Use this form to send a complaint to us about an illegal dumping problem.

[Illegal Dumping Videos](#)

The department is using surveillance cameras at dumpsites across Missouri to combat illegal dumping. View short videos from the camera.

[Illegal Disposal of Construction and Demolition Waste](#), Brochure, PUB2251 (06/08) [PDF](#)

[Managing Construction and Demolition Waste](#), Fact Sheet, PUB2045 (09/08) [PDF](#)

[Non-Profit Group Scrap Tire Cleanups](#), Brochure, PUB2214 (05/07) [PDF](#)

[Non-Profit Group Scrap Tire Cost Reimbursement](#), Fact Sheet, PUB2277 (07/08) [PDF](#)

[Response to Tire Fires](#), Fact Sheet, PUB2062 (06/06) [PDF](#)

[Tire Dump Roundup](#), Brochure, PUB2211 (01/07) [PDF](#)

[Managing Residential Waste](#), Fact Sheet, PUB2070 (06/06) [PDF](#)

This guidance is designed to inform homeowners about the alternatives they have available to manage their residential waste.

Permitting

[Solid Waste Management Permits](#)

The Environmental Permits Document identifies the types of permits, their associated fees and rules or statutes, issued by the Solid Waste Management Program. Groundwater [Monitoring](#)

A downloadable form that contains the groundwater monitoring parameter names and the way they must be submitted for statistical analyses.

Educational Resources

[Soft Drink Bottle Hummingbird Feeder](#), Fact Sheet, PUB2190 (06/06) [PDF](#)

Includes directions on making a hummingbird feeder from a non-returnable glass soft drink bottle.

Wild Wood Babes, Learn About Reuse

Coloring and activities book for children K-3rd grade, 02/96

Solid Waste Management Program's Reports

Missouri Solid Waste Management Plan

The department's Solid Waste Management Program is charged with a number of duties and responsibilities to help ensure that solid waste is managed in a way that protects both public health and the environment. Development of the Missouri Solid Waste Management Plan is one of these responsibilities and the final document represents the culmination of a multi-year planning process.

Solid waste is an issue affecting all Missourians. A comprehensive plan should include viewpoints from a broad range of stakeholders. To develop the draft plan the department held a series of meetings with a large number of stakeholders, representing private citizens, business and industry, and state and local government. These individuals created the vision for managing solid waste for the next 25 years. Through their efforts, a number of objectives and strategies are proposed to help all Missourians manage waste as a resource and use disposal methods that are protective of human health and the environment.

The plan is presented below in several files to make downloading more efficient. The first file contains the plan's introduction, vision statement, goals and objectives and strategies. The remaining files represent documents in the plan's appendices.

- [Missouri Solid Waste Management Plan \(11/05\) PDF](#)
- [Appendices Cover and Table of Contents PDF](#)
 - [Appendix A Missouri Solid Waste Management Law PDF](#)
 - [Appendix B Solid Waste Management Regions of Missouri PDF](#)
 - [Appendix C The Missouri Solid Waste Composition Study Intro and Summary PDF](#)
 - [Appendix D The State of Garbage in Missouri PDF](#)
 - [Appendix E Missouri Public Opinion Survey on Solid Waste Management PDF](#)
 - [Appendix F Stakeholder Group Input PDF](#)
 - [Appendix G Policy on Resource Recovery \(Executive Branch Departments\) PDF](#)
 - [Appendix H Solid Waste Award and Recognition Programs PDF](#)
 - [Appendix I Executive Summary: A Missouri Plan for the Safe Management and Collection of Household Hazardous Waste, Family Farm Waste, Conditionally Exempt Small Quantity Generator Waste and Do-It-Yourselfer Used Oil PDF](#)
 - [Appendix J Missouri Department of Natural Resources' Fact Sheet, "The Universal Waste Rule in Missouri" PDF](#)
 - [Appendix K Missouri Mercury Task Force Goals and Objectives PDF](#)
 - [Appendix L The Study of White Goods Recycling and Disposal in Missouri-Introduction & Summary PDF](#)
 - [Appendix M Scrap Tire Advisory Council Recommendations PDF](#)
 - [Appendix N Final Report of the Solid Waste Law Advisory Group PDF](#)

Landfill Information

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- [Sanitary Landfill](#)
- [Special Waste Landfill](#)
- [Transfer Stations](#)
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- [Composting Facilities](#)
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- [Infectious Waste](#)
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- [Proposed Facilities](#)
- [Tonnage Report for the Solid Waste Facilities](#)
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Enforcement Section Information

- [Tire Information](#)
- [Scrap Tire Advisory Council](#)

Engineering Section Information

- [Status of Permit Applications](#)

Planning and Fiscal Management Section Information

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- [Solid Waste Advisory Board Members List](#)
- [District Map](#)
- [Completed District Audits](#)
- [Award Disbursement Summary Financial Assistance](#)
- [Solid Waste Advisory Board Minutes](#)
- [State of Garbage in Missouri](#)

This report examines the status of solid waste management in Missouri and presents a historical overview. It also serves as a snapshot of solid waste management in Missouri.

- [Public Opinion Survey on Solid Waste Management \(2000\) PDF](#)
- [Public Opinion Survey on Solid Waste Management \(2004\) PDF](#)
- [Missouri Solid Waste Management Plan](#)

Other Information of Interest

- [The State of Missouri's Environment 2009 PDF](#)
- [Solid Waste Management Program's Directory](#)

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Annual *Per capita* Rates for Missouri and Eight Surrounding States

State	Calendar Year 2000 Population	Waste Generation (tons)	Per capita Disposal (tons)	Per capita Recycling (tons)	Per capita Incineration (tons)
Arkansas	2,673,400	2,056,000	0.42	0.35	0.01
Illinois	12,419,293	15,102,000	0.86	0.34	0.01
Iowa	2,926,324	2,866,000	0.64	0.34	0.01
Kansas	2,688,418	3,000,000	1.02	0.10	0.01
Kentucky	4,041,769	4,376,000	0.76	0.32	0
Missouri	5,595,211	10,288,000	1.14	0.70	0
Nebraska	1,711,263	1,848,000	0.83	0.25	0
Oklahoma	3,450,654	3,787,000	0.98	0.01	0.11
Tennessee	5,689,283	5,200,000	0.50	0.31	0.10

Table 2





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